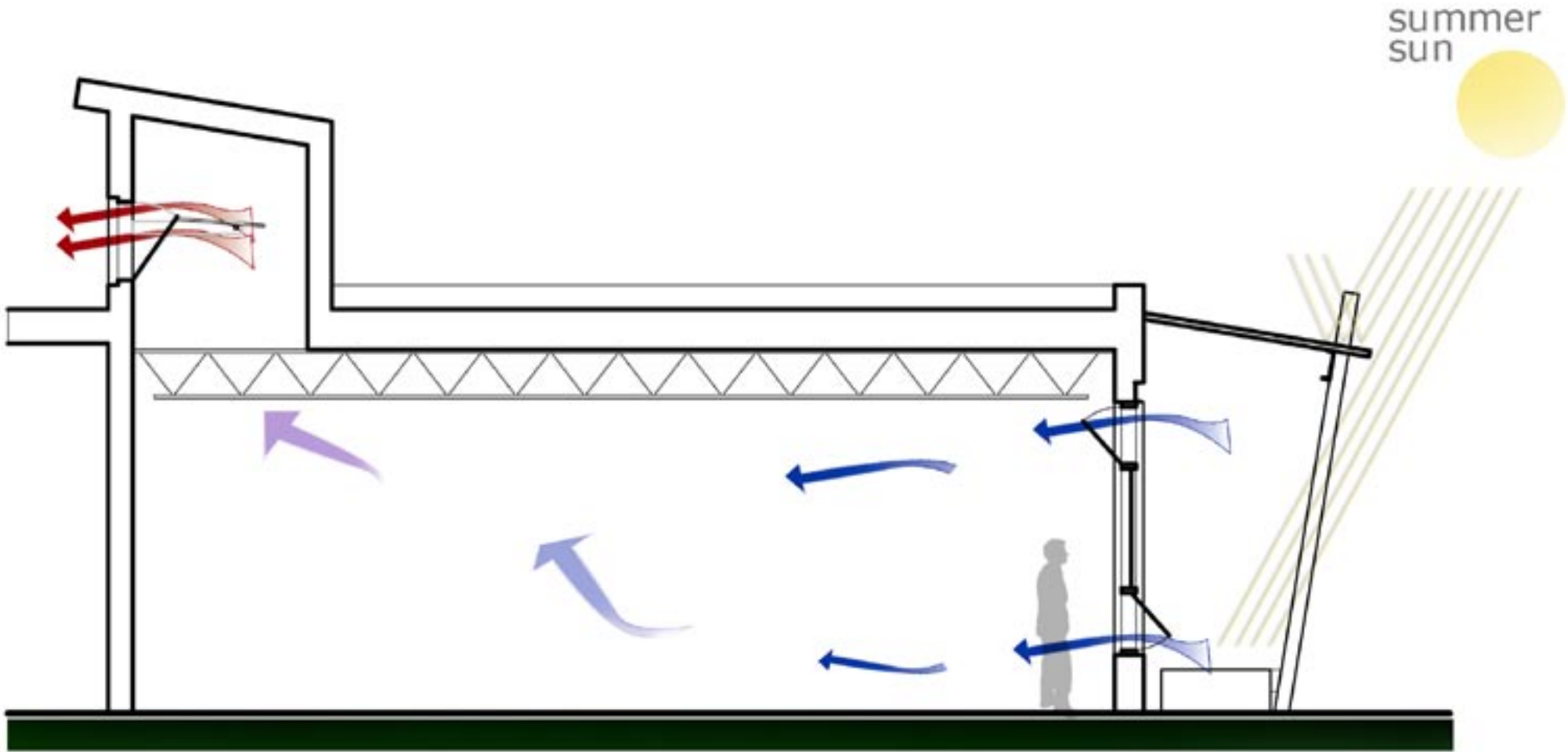


CHILDCARE ROOM:

Sustainable Strategies



YESLER COMMUNITY CENTER



Childcare Room:

Canopies on the south deck offer protection from summer sun. Operable windows to the south and a high roof monitor to the north allow breezes and warm air to flow out through the roof.

Daylighting: Using sunlight to save energy

If you turn off the lights in the middle of the day, is the room bright enough? If yes, this is because there are many sources of daylight: big windows to the south and west, and ceiling windows to the east. A canopy over the south windows prevents summer sun from heating the room. When the sun is lower in the sky during winter, light can enter without heating the room. Sensors that dim the lights when the sun is bright also help to save energy.

Natural Cooling: Using the wind and natural movement of air to cool the room

During the warm summer months, the wind frequently blows north and south. Try opening a high and low window on different sides of the room to create cross ventilation. If it is really warm, try opening the high motorized window to create stack ventilation. Ceiling fans also help you to feel cooler.

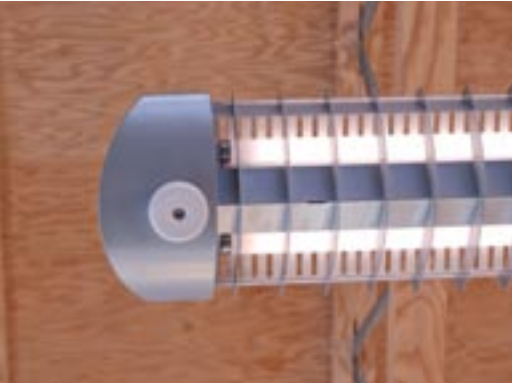
Use renewable materials:

Linoleum floor is made from natural ingredients such as linseed oil, wood flour, cork flour, rosin, limestone, and jute



Save energy:

Photocells dim the lights when the sun gets brighter



Save large trees:

Composite trusses efficiently use wood from smaller trees



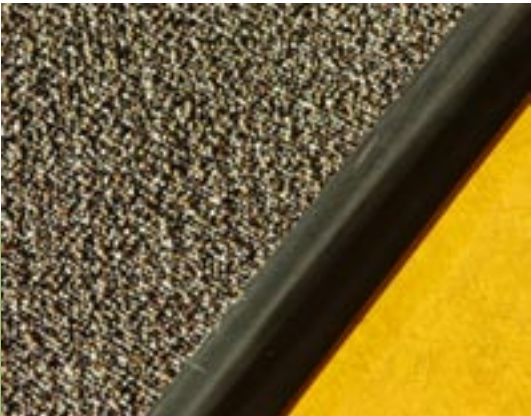
Save energy:

Occupancy sensors turn off lights when the room is empty



Recycle:

Carpet contains 25% recycled content from both post-industrial and post-consumer material



Save energy:

Window motors make it possible to open high windows for ventilation



Materials selected for the Childcare Room demonstrate several sustainable strategies:

- Using less energy during manufacturing to reduce pollution
- Using recycled content to reduce landfills and waste
- Using local materials to lessen energy required for transportation
- Harvesting wood sustainably to protect ecosystems
- Using recyclable or biodegradable materials
- Reducing chemical emissions into the air

Materials that help reduce the Childcare Room's impact on the environment:

PAINT
Low-emitting paint improves indoor air quality

DRYWALL
Gypsum drywall from Tacoma contains 96 percent recycled material

CEILING STRUCTURE
Innovative wood and steel trusses use wood from small trees to span long distances. In the past, rather than the wood of larger trees used in large solid rafters

USER TIPS:

If you're feeling warm, open windows and turn on the ceiling fan.

If there is plenty of daylight, turn off the lights!